

ARM SGP/GIF Radiometer Characterization System (RCS)
36.606 N Latitude 97.486 W Longitude 320 Meters AMSL Time Zone -6

February 2004

Dry Bulb Temperature
Hourly and Daily Averages
Instrument: CSI HMP-45C
Degrees Celsius

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	1.9	1.8	2.1	2.2	2.2	1.9	1.9	2	2.1	2.5	3.3	4.1	5.3	5.5	5.3	4.9	1.9	0.2	-0.4	-0.9	-1.8	-2.9	-3.8	-4.3	1.5
2	-4.7	-5	-5.2	-5.4	-5.5	-5.5	-6.1	-8.1	-8.5	-8	-7.1	-6.3	-5.3	-4.1	-3	-2.3	-2.1	-3	-4.9	-6.2	-7.4	-7.9	-7.9	-8.3	-5.7
3	-9.8	-10.9	-10.3	-9.7	-10.6	-11.5	-11.2	-11.8	-10.1	-6.6	-4.2	-3	-1.4	0.2	2.2	2.9	3.1	2	1.5	1.4	1.6	1.5	1.3	1.2	-3.8
4	1	1.3	1.5	1.5	1.3	1.2	1.7	1.8	1.8	0.8	-0.1	-0.1	-0.1	-0.1	-0.2	-0.4	-0.5	-0.4	-0.3	-0.4	-0.4	-0.4	-0.4	-0.4	0.4
5	-0.5	-0.6	-0.6	-0.6	-0.7	-0.5	-0.3	-0.3	-0.2	-0.2	-0.1	0	0.1	0.1	0.1	0.1	0	0.2	-0.5	-0.9	-1.7	-1.9	-1.9	-2.1	-0.6
6	-2.6	-3	-4	-4.2	-3.6	-3.9	-3.8	-3.7	-3.4	-3.9	-3.8	-3.5	-3.5	-3.3	-3.5	-3.8	-3.9	-4.3	-4.4	-4.5	-4.9	-5.9	-7.6	-9	-4.3
7	-10.2	-11.3	-11.7	-12.6	-13.2	-13.9	-14.6	-14.7	-13.6	-10.8	-9.5	-9.1	-7.9	-7.1	-6	-4.9	-4.5	-5.3	-7.5	-8.8	-9.7	-10.3	-10	-11.7	-10
8	-11.6	-11.1	-8.8	-8.7	-7.8	-7.4	-7.1	-7	-5	-2	0.5	2.5	3.8	4.9	6.1	7.3	7.3	6.3	3.8	2.9	2.5	1.9	2.1	0.8	-1
9	0.5	0.4	0.4	0.3	0.2	-0.4	-2.4	-3.2	-1.9	0.2	1.8	2.7	3.1	3.4	4.8	5.2	5	3.7	2.1	1.5	0.9	0.6	0.2	-0.5	1.2
10	-2.1	-2	-2.6	-2.7	-2.3	-2.6	-2.8	-3	-1.8	0.9	3.1	4.2	5.6	7.3	8.6	9.6	10.6	9.4	7.2	5.5	4.1	3.2	1.8	3	2.6
11	2.5	1.9	1.5	0.7	0.4	0.3	-0.2	-0.3	0.4	1.8	3.1	4.8	6.7	6.7	6.1	5.8	4.3	2.2	1	0.4	-0.2	-0.7	-1.5	-2.4	1.9
12	-4.1	-4.6	-5	-5.7	-6.2	-6.9	-7.4	-7.8	-7.3	-6.6	-6	-5.6	-5	-4.4	-3.6	-3.1	-3	-3.7	-4.6	-5.3	-5.3	-5.6	-6.1	-6.4	-5.4
13	-6.4	-6.3	-6.7	-6.8	-7	-7.1	-7.1	-6.7	-4.5	-3.9	-2.3	-0.4	0.9	1.3	2.6	2.7	2.1	1.3	0.6	0.4	0.3	0.2	0.1	-0.2	-2.2
14	-0.4	-1	-1.4	-1.8	-2.1	-2.4	-2.8	-2.9	-2.3	-0.6	1.1	3.2	4.6	6.7	9	9.8	9.7	8.4	5.5	2.2	0.2	-0.8	-1.5	-2.3	1.6
15	-3	-3.3	-4.1	-4.3	-4.7	-4.9	-5.4	-6	-5.4	-4.4	-3.3	-2.5	-1.3	0.3	1.8	3.1	3.2	2	0.8	-0.2	-0.9	-1.6	-2.1	-2.2	-2
16	-2.1	-2.5	-2.3	-2.5	-2.8	-3.4	-3.3	-2.7	-1.3	-0.3	1.9	4.1	6.2	7.7	8.4	8.1	7.4	5.8	3.9	2.9	1.7	0.4	0.1	-0.4	1.5
17	-0.4	-0.7	-1.1	-1.6	-1.7	-1.9	-1.9	-1.9	-0.3	2.7	5.2	7	8.4	9.2	11	12.2	11	10	8.5	7.3	6.7	4.5	2.2	1.5	4
18	1.1	1	0.4	0.4	1	0.2	0.5	0.1	4.1	7.7	10.4	12.8	15.2	16.9	17	17.2	16.6	15.6	12.8	10.8	10.7	10	11.6	12.5	8.6
19	12.8	13.4	13	12.1	13.2	12.9	12.5	12.2	12.8	13.9	15.9	17.7	19.5	20.5	20.7	20.7	20.9	19.9	18.4	17.9	16.9	13.8	8.9	7.6	15.3
20	6.6	6.1	5.7	5.7	5.7	5.1	5.5	4.7	6.5	8.3	9.4	10.2	11.2	12.4	13.2	13.8	13.8	12.8	10.2	9.5	8.8	6.4	4.4	4.4	8.3
21	3.5	3.8	1.9	1.3	1.7	1.8	1	0.7	1.7	3.7	7.1	9.4	11.2	12.5	13.8	14.7	15	13.2	10	9.6	8.7	8.3	7.4	7.1	7
22	6.9	6.5	6.5	7.5	6.7	5.2	5.1	5	6.5	10.1	14.3	16.2	17.4	17.9	18.1	17.8	19	18.9	16.8	15.9	12.6	10.9	9.9	10.7	11.8
23	9.6	9.1	9.2	8.5	8.7	8.6	7.7	6.7	7.4	8.4	9.6	10	9.9	10.5	10.9	11.8	11.7	11	10.1	8.9	7.2	5.6	4	3	8.7
24	2.4	2	1.9	1.7	1.8	1.6	1.4	0.9	0.7	1	1.8	3.7	5.3	5.9	6.3	6.2	5.6	4.3	3	1.8	1.2	0.8	0.6	2.6	
25	0.5	0.4	0.1	1	1.4	1.5	1.5	1.8	2.1	2.6	3.2	4.4	5.4	6.4	7	7.7	6.7	4.8	3.1	1.4	0.6	-0.6	-1.1	2.6	
26	-1.7	-2.3	-2.4	-3.3	-3.3	-4	-4	-3.8	-1.2	1.6	4.8	6	7.7	8.9	10.7	11.3	11.9	11.4	8.5	6.1	4	2.5	1.2	0.3	3
27	0.1	0.2	-0.5	-0.6	-0.9	-1.1	-1.1	-0.3	4.5	8.8	11.2	13.4	15.7	17	18.1	18.5	18.2	16.5	12.6	11	9.5	8.2	5.9	5.3	7.9
28	5.3	4.1	3	4.1	5.1	5.2	5.6	6.8	6.9	8.6	10.3	11.3	12.2	13.3	14.5	14.2	14	13.4	12.6	12.2	11.3	10.5	10.8	10.7	9.4
29	10.6	10.5	10.4	10.4	10.6	9.9	9.5	10.1	10.2	10.2	10.5	10.8	9.3	11.5	13.9	15.3	15.6	14.9	13.5	12.6	12.1	11.6	11.1	10	11.5
Avg	0.2	-0.1	-0.3	-0.4	-0.4	-0.8	-1	-1.1	0	1.6	3.1	4.3	5.4	6.4	7.3	7.8	7.7	6.7	5.1	4.1	3.1	2.2	1.4	1	2.6
S D	5.9	5.9	5.8	5.8	6	6	6.1	6	6.1	6.5	6.8	7	7.2	7.2	7.3	7.2	6.7	6.6	6.4	6	5.7	6	5.9		
S/A	30.93	-81.2	-18.2	-13.2	-13.9	-7.92	-6.25	-5.54	486.3	3.86	2.07	1.58	1.29	1.11	0.98	0.92	0.95	1.08	1.33	1.63	2.05	2.74	4.11	6.29	2.25
Min	-11.6	-11.3	-11.7	-12.6	-13.2	-13.9	-14.6	-14.7	-13.6	-10.8	-9.5	-9.1	-7.9	-7.1	-6	-4.9	-4.5	-5.3	-7.5	-8.8	-9.7	-10.3	-10	-11.7	-10
Max	12.8	13.4	13	12.1	13.2	12.9	12.5	12.2	12.8	13.9	15.9	19.5	20.5	20.7	20.7	20.9	19.9	18.4	17.9	16.9	13.8	11.6	12.5	15.3	
n	1740	1740	1740	1740	1740	1740	1740	1740	1740	1740	1740	1740	1740	1740	1740	1740	1740	1740	1740	1740	1740	1740	1740	41760	

Data Recovery: 0.0% missing; 0.0% failed QC -- 41760 total measurements.

Instrument: CSI HMP-45C	Serial Number: Unknown	Calibration Factor: 0.1 C/mV - 40 C	Calibration Date: N/A
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Data & Flag	Hour Column	Day Column
<value> *	> 20% Missing	> 10% Missing
<value> ?	> 20% Fail QC	> 10% Fail QC
<blank> *	> 90% Missing	> 90% Missing
<blank> ?	> 90% Fail QC	> 90% Fail QC

Note: Daily values with a missing flag (*) are not used in monthly statistics.

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